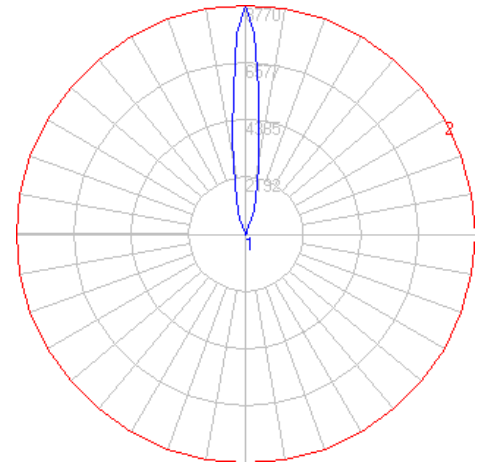


BEGA

Photometric Filename: 77129.IES

TEST: NA
 TEST LAB: BEGA
 DATE: 02/21/2017
 LUMINAIRE: 77 129
 LAMP: 14W LED

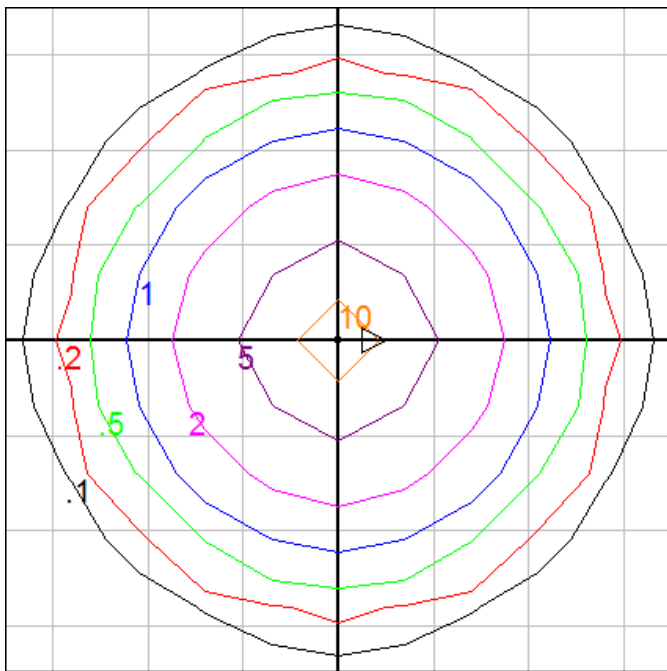


Characteristics

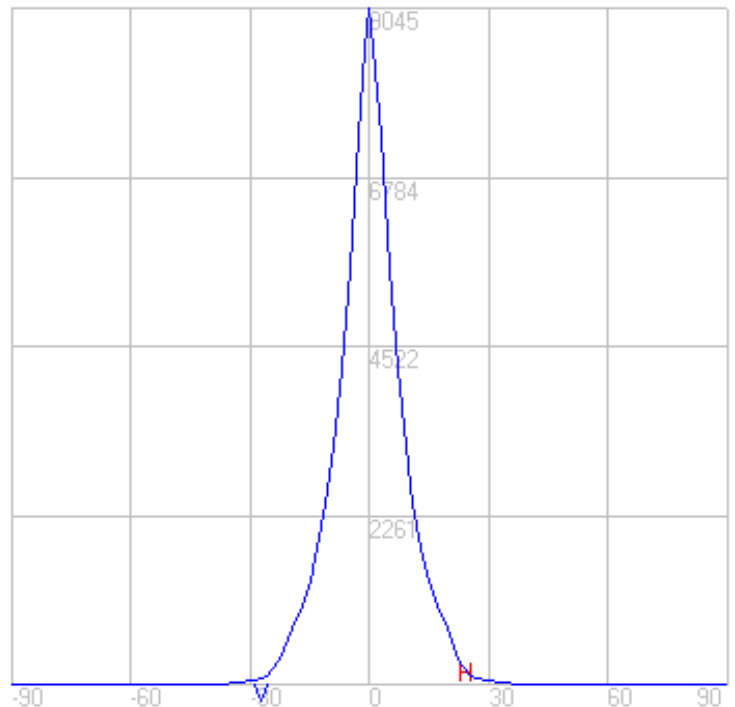
NEMA Type	3 H x 3 V
Maximum Candela	9044.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	13.1
Vertical Beam Angle (50%)	13.1
Horizontal Field Angle (10%)	36.5
Vertical Field Angle (10%)	36.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	267
Beam Efficiency	N.A.
Field Lumens	773
Field Efficiency	N.A.
Spill Lumens	173
Luminaire Lumens	946
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	448.94
10-20	397.48
20-30	95.50
30-40	8.09
40-50	0.71
50-60	0.12
60-70	0.06
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height = 25 ft. Grid Spacing = 4 ft.



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

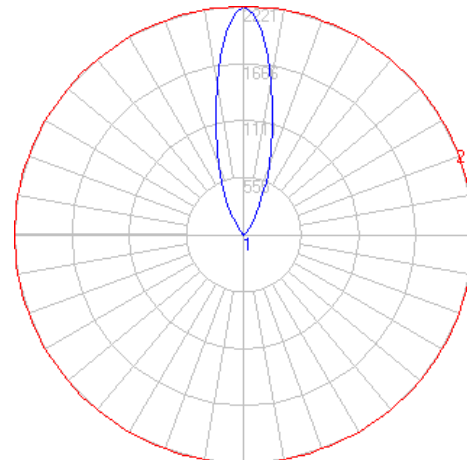
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11/27/2017

BEGA

Photometric Filename:
77129_10016WideBeam.IES

TEST: NA
TEST LAB: BEGA
DATE: 02/21/2017
LUMINAIRE: 77 129 with 10 016 wide beam
LAMP: 14W LED

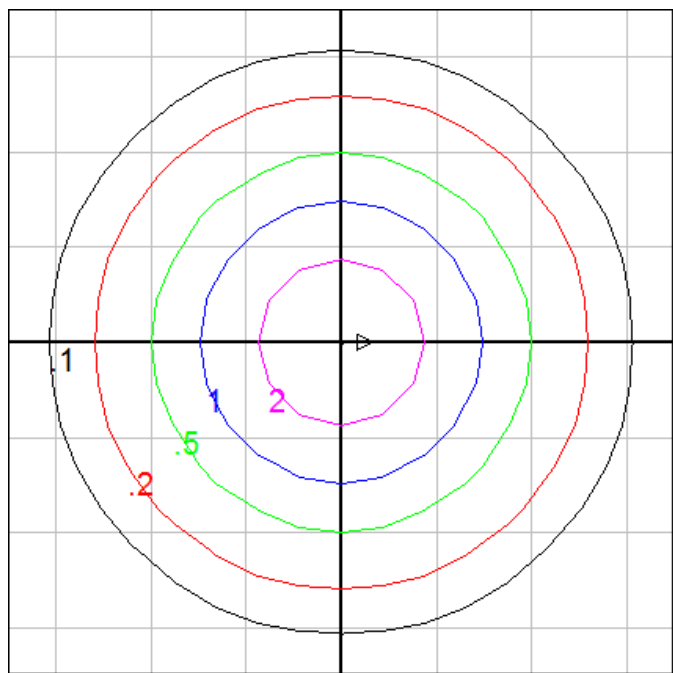


Characteristics

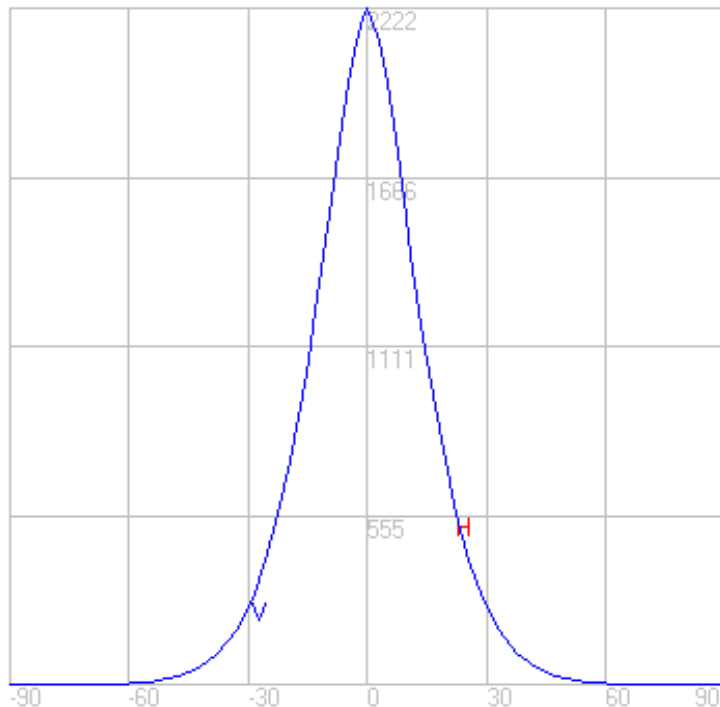
NEMA Type	4 H x 4 V
Maximum Candela	2221.8
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.9
Vertical Beam Angle (50%)	28.9
Horizontal Field Angle (10%)	62.6
Vertical Field Angle (10%)	62.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	311
Beam Efficiency	N.A.
Field Lumens	681
Field Efficiency	N.A.
Spill Lumens	124
Luminaire Lumens	805
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	173.35
10-20	294.32
20-30	202.04
30-40	90.74
40-50	30.58
50-60	9.36
60-70	3.24
70-80	0.25
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height = 25 ft. Grid Spacing = 6 ft.



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

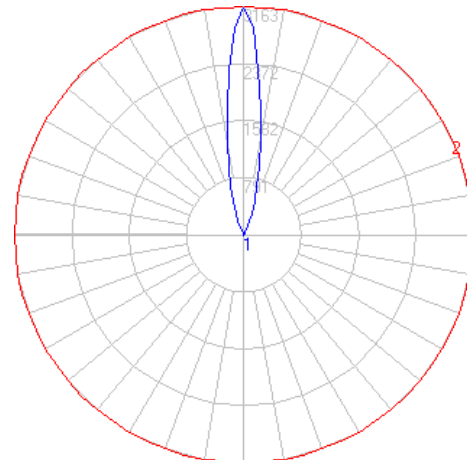
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BEGA

Photometric Filename:
77129_10047SpreadLens.IES

TEST: NA
TEST LAB: BEGA
DATE: 02/21/2017
LUMINAIRE: 77 129 with 10 047 spread lens
LAMP: 14W LED

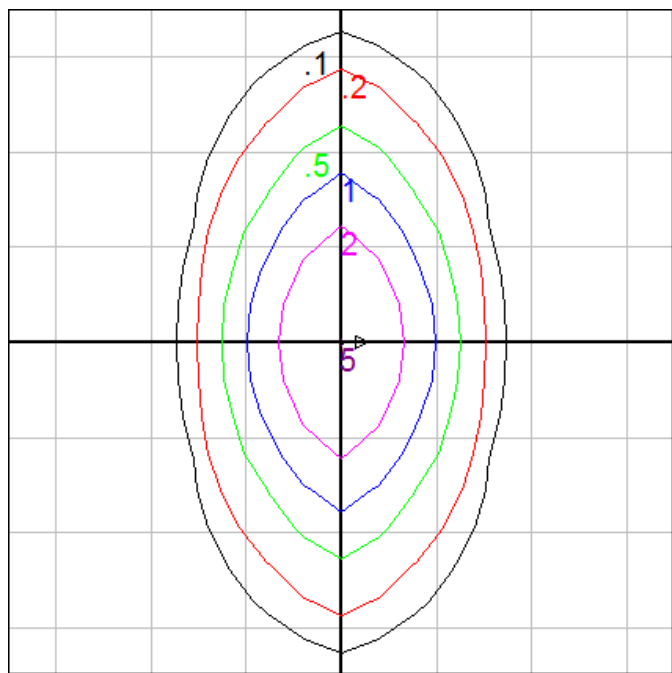


Characteristics

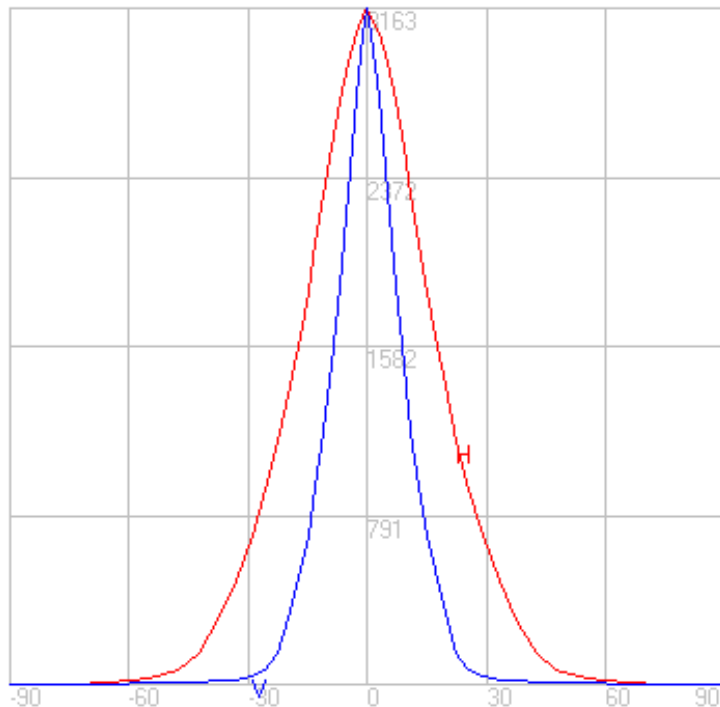
NEMA Type	5 H x 3 V
Maximum Candela	3163.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	35.1
Vertical Beam Angle (50%)	17.1
Horizontal Field Angle (10%)	74.2
Vertical Field Angle (10%)	39.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	296
Beam Efficiency	N.A.
Field Lumens	686
Field Efficiency	N.A.
Spill Lumens	119
Luminaire Lumens	805
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	220.17
10-20	308.58
20-30	171.13
30-40	71.01
40-50	23.75
50-60	8.01
60-70	2.91
70-80	0.21
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height = 25 ft. Grid Spacing = 7 ft.



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